

CLAIMS

What is claimed is:

1. A method for handling image data within a digital camera having a memory storage unit for storing image data, the camera connectable to an external information handling system adapted to receive image data from the camera, the method comprising:
  - 5       storing image data elements consecutively in an image storage queue, each image data element having an archival status; and
  - indicating said archival status of said image data element.
- 10      2. The method of claim 1, further comprising associating each said image data element with a header, wherein said indicating comprises providing an indicator in said header.
- 15      3. The method of claim 1, wherein each said image data element has a filename, and wherein said indicating comprises naming said filename to indicate said archival status.
- 20      4. The method of claim 1, wherein said indicating comprises:
  - creating an organizational structure comprising a reserved location for archived image data elements; and
  - placing archived image data elements in said reserved location.

5. The method of claim 1, further comprising:  
archiving one said image data element, said archiving comprising copying said  
image data element to the external information handling system; and  
changing said archival status of said image data element to indicate that said  
data element is archived.
6. The method of claim 5, further comprising associating each said image data  
element with a header, wherein said changing said archival status comprises changing  
the contents of said header.
- 10
7. The method of claim 6, wherein said header comprises a data bit indicating archival  
status, wherein said changing the contents of said header comprises inverting said data  
bit.
- 15
8. The method of claim 5, wherein said image data element has a filename comprising  
at least one character, and wherein said changing comprises altering said filename by  
at least one character.
- 20
9. The method of claim 5, further comprising receiving a selection of one said image  
data element for archiving.
10. The method of claim 5, wherein said archiving comprises:  
connecting the camera to the external information handling system; and

copying said image data element from the memory storage unit in the camera  
to the external information handling system.

11. The method of claim 5, wherein the memory storage unit includes a removable  
5 storage medium, and wherein said archiving comprises:

removing the removable storage medium from the camera;  
connecting the removable storage medium to the external information  
handling system; and

copying said image data element from the removable storage medium to the  
10 external information handling system.

12. The method of claim 5, further comprising:

determining that the memory storage unit is full;  
determining that at least one said image data element in said image storage  
15 queue has been archived; and  
deleting from the memory storage unit at least one said archived image data  
element.

13. The method of claim 12, wherein said deleting comprises deleting the last said  
20 data element in said image storage queue from the memory storage unit.

14. The method of claim 5, further comprising:

determining that the memory storage unit is full;

determining that no said image data element in said image storage queue has been archived; and notifying a user that the memory storage unit is full.

5 15. The method of claim 14, further comprising:

receiving a selection of an image data element for deletion; and deleting said selected image data element from the memory storage unit.

16. A digital camera adapted for connection to an external information handling

10 system, the camera comprising:

a controller;

an image acquisition unit electrically connected to said controller; and

a memory storage unit;

wherein image data elements each having an archival status are stored in said  
15 memory storage unit chronologically in an image storage queue.

17. The camera of claim 16, wherein said memory storage unit comprises media

removable from the camera.

20 18. A computer program product for controlling the handling of image data within a digital camera having a memory storage unit for storing image data, the camera connectable to an external information handling system adapted to receive image data from the camera, the computer program product comprising:

instructions for storing image data elements consecutively in an image storage queue, each image data element having an archival status; and instructions for indicating said archival status of said image data element.

- 5        19. The computer program product of claim 18, further comprising:  
instructions for archiving one said image data element, said archiving comprising copying said image data element to the external information handling system; and  
instructions for changing said archival status of said image data element to indicate that said data element is archived.
- 10        20. The computer program product of claim 19, further comprising:  
instructions for determining that the memory storage unit is full;  
instructions for determining that at least one said image data element in said  
15        image storage queue has been archived; and  
instructions for deleting from the memory storage unit at least one said archived image data element.